

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 January 2001 (04.01.2001)

PCT

(10) International Publication Number
WO 01/00165 A1

(51) International Patent Classification⁷: **A61K 7/50**, 7/00, 7/48

(74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(21) International Application Number: PCT/US00/17637

(22) International Filing Date: 27 June 2000 (27.06.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
9915095.5 28 June 1999 (28.06.1999) GB
9915094.8 28 June 1999 (28.06.1999) GB
60/201.881 4 May 2000 (04.05.2000) US

(71) Applicant (for all designated States except US): **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **EVANS, Erica, Louise** [GB/GB]; Plough Cottage, Plough House Court, Hungerford, Berkshire RG17 0ED (GB). **VANOOST-HUYZE, Kristina, Emma, Inge** [BE/GB]; Lynton, Horsell Birsch, Horsell, Woking, Surrey GU21 4XD (GB). **TRANI, Marina** [IT/GB]; 95 Victoria Road, South Ascot, Berkshire SL5 9DR (GB).

(81) Designated States (*national*): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, FR, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

- With international search report.
- Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COSMETIC COMPOSITIONS CONTAINING A QUATERNARY AMMONIUM COMPOUND AND TOCOPHEROL

(57) Abstract: According to the present invention there is provided a cosmetic composition comprising: a) at least one quaternary ammonium agent; and b) at least one tocopherol-based anti-oxidant/radical scavenger. The compositions of the present invention give the benefits associated with tocopherol-based anti-oxidant/radical scavenger such as moisturisation and skin-protection while reducing the associated negatives such as irritation, tackiness and/or stickiness.

WO 01/00165 A1